Call for Papers

2008 U.S. EPA/NGWA Remediation of Abandoned Mine Lands Conference

October 2-3, 2008

The Westin Tabor Center, Denver, Colorado

Throughout the United States there are abandoned mine sites posing a variety of problems for water and soil resources including acid mine drainage, heavy metal mobilization, radionuclide leaching, and soil erosion, plus numerous spills of manmade chemicals used in mining operations. With estimates into the hundreds of millions of tons nationally, the cleanup of the mine waste problem in the United States presents a daunting task.

NGWA and the U.S. EPA Technology Innovation and Field Services Division is convening a national conference on the assessment and remediation of abandoned mine lands. This conference will showcase alternative and innovative remediation technologies, as well as foster communication between the mining community, stakeholders, policymakers, regulators, ground water scientists, and engineers to advance the cleanup of abandoned mine wastes in the United States.

Special guest speakers:
David Reisman, ME, Director, Engineering Technical Support Center, Office of Research and Development (ORD), U.S. EPA, "EPA ORD's Role in Mine-Influenced Water Treatment: Past, Present, and Future"
Stuart Arnold, U.S. EPA, “U.S. EPA Superfund Radiation Policy and Guidance”
James J. Gusek, Golder Associates Inc., “Passive Treatment 101: An Overview of the Technologies”
Linda Figueroa, Ph.D., Colorado School of Mines “An Overview of Bioremediation for Mining Influenced Waters”
Denis Murphy, The Doe Run Co., “Performance of a Twelve-Year-Old Bioreactor Treating Lead Mine Discharge”
Richard Parizek, Ph.D., Penn State University, “The Future of Coal Mine Reclamation in Pennsylvania”
Douglas W. Grosse, U.S. EPA, National Risk Management Research Laboratroy, “Sustainable Mining Applications”
Timothy J. Cox, Ph.D., PE, Camp Dresser & McKee Inc., “Modeling Contaminant Transport in Mine Wastes”

You are invited to take part in the conference by submitting an abstract for considerationin these topics:

1. Source Control
   - Acid mine drainage controls
   - Mining-influenced water management
   - Source water control

2. Treatment
   - Innovative treatment technologies
   - Periodic table of passive treatment—what works on which parameters?
   - Biological treatment: Design and implementation
   - Chemical treatment: Design and implementation
   - Physical treatment: Caps and more
   - Leachate collection systems
   - Ecosystem success in created wetlands
   - Permeable reactive barriers
   - Coal mine technologies for hard rock applications

3. Re-use/Reclamation
    - Beneficial use of abandoned mine sites
    - Hydrologic reclamation
    - Subsidence and erosion controls
    - Stream restoration and aquatic habitat
    - Abandoned coal mine reclamation success stories
    - Carbon sequestration at abandoned mines
    - Mine waste recycling and reuse
    - Metals management

4. Characterization
    - Characterizing mine wastes
    - Monitoring and monitoring networks
    - Modeling contaminant transport in mine wastes
    - Monitoring well drilling technologies

5. Technical and Economic Lessons
    - Lessons learned: What to avoid
    - Cost to clean up: Case studies
    - Active mine sites: State-of-the-art environmental protection
    - Establishing performance criteria for success
    - Long-term ecosystem performance and recovery

6. Regulatory Considerations
    - Regulatory approvals for innovative technologies
    - Regulatory acceptance of innovative technologies
    - Defining the boundaries of impracticability.

Conference key dates

- April 18, 2008: Abstract submission deadline
- August 22, 2007: Full manuscript due.

Conference Advisory Council

Thomas Ballestero, Ph.D., University of New Hampshire
Edward M. Baltzer, GPG, CAI, CHMM, Walsh Environmental Scientists and Engineers LLC
Shannon R. Cook, Ohio University
Timothy J. Cox, Ph.D., PE, Camp Dresser & McKee Inc.
Linda A. Figueroa, Ph.D., Colorado School of Mines
Douglas W. Grosse, U.S. EPA, National Risk Management Research Laboratory
James J. Gusek, PE, Golder Associates, Inc.
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Marti Otto, U.S. EPA
Richard Parizek, Ph.D., Penn State University
David Reisman, ME, U.S. EPA
Rob Robinson, Bureau of Land Management
Carol Russell, U.S. EPA, Region 8
Matthew Sares, Colorado Geological Survey
Ralf Topper, Colorado Geological Survey

Submit your abstract online

Abstracts for the **2008 U.S. EPA/ NGWA Remediation of Abandoned Mine Lands Conference** must be submitted online.

Abstracts for oral presentations are limited to a maximum of 300 words. Biographical sketches need to be in paragraph form and are limited to 100 words. **Abstracts are due April 18, 2008.** (*By virtue of submitting an abstract, the presenter grants NGWA the right to publish the accepted abstract.*)

To submit your abstract, click on http://ngwa.confex.com/ngwa/mine08/cfp.cgi . View the submission guidelines.

For more information about the conference contact the project managers:

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